



Navy Logistics for a Web Enabled Navy

OPNAV N40
10 April 2001



Vision

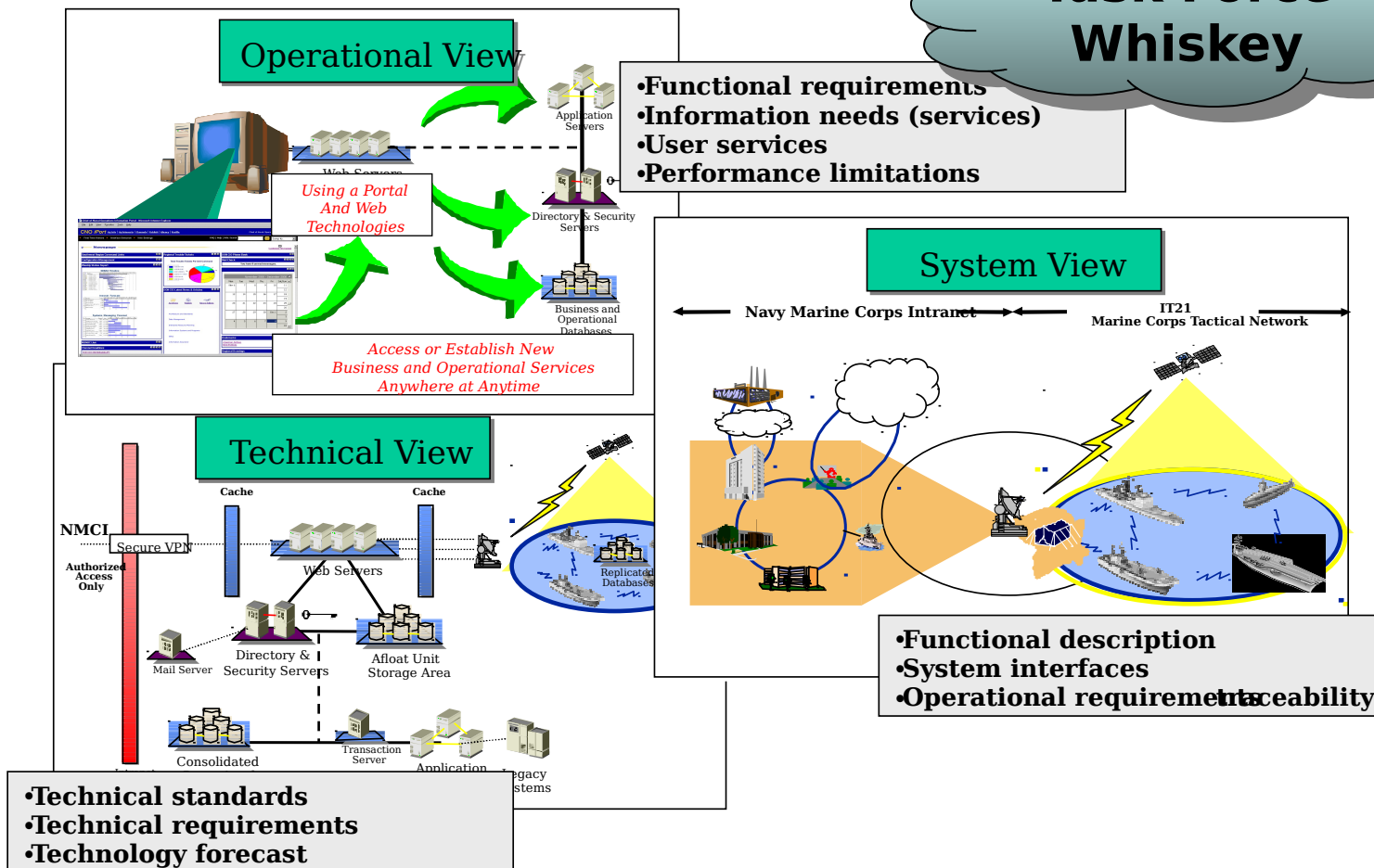
- *“A Navy in which operational and business processes are conducted worldwide via interconnected and interoperable web-based IT systems.”*

ADM W. J. FALLON, VCNO
19 December 2000



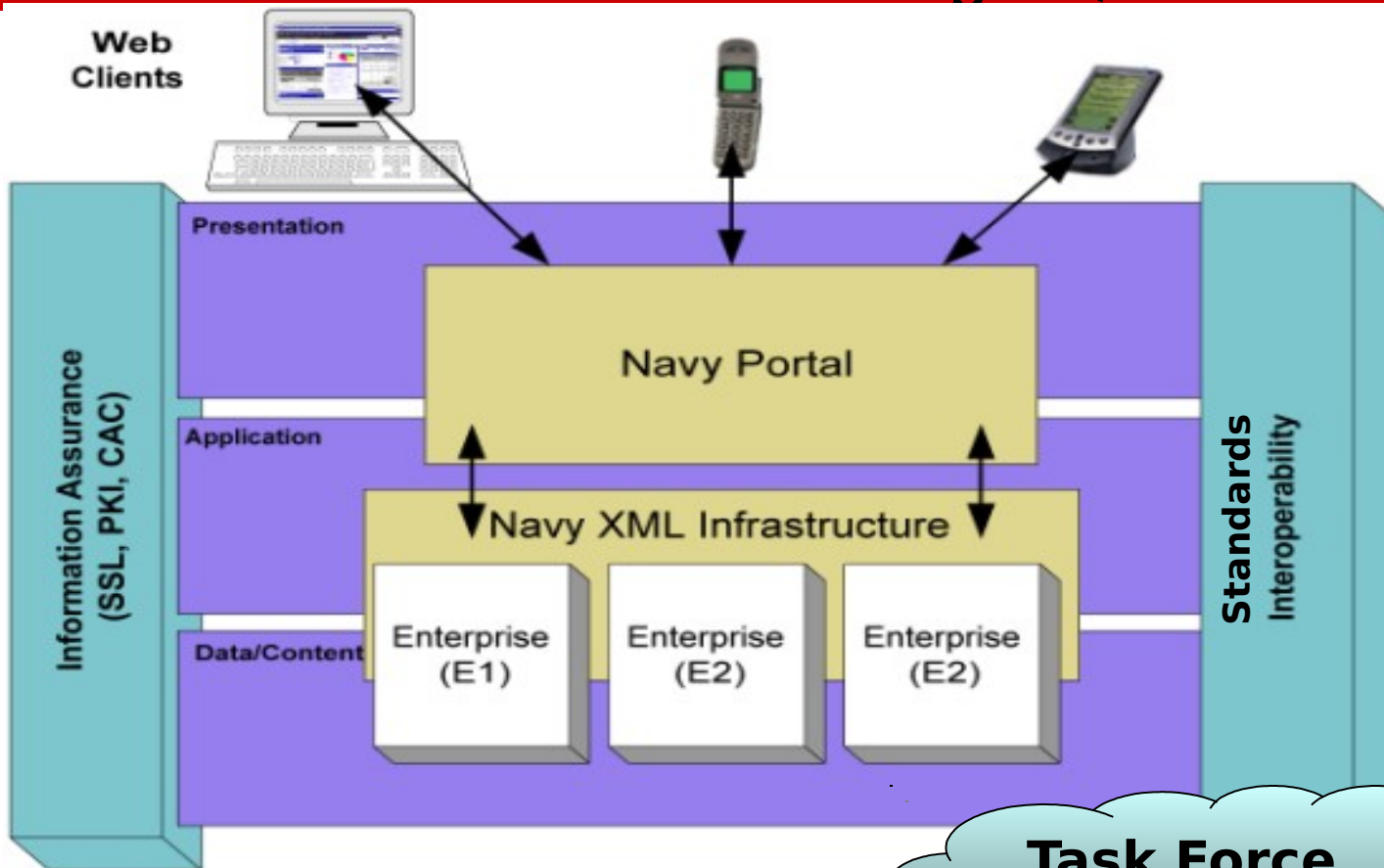
Navy WEN Architecture (AV)

Task Force Whiskey





Three Tiers of the Web Enabled Navy (WEN)

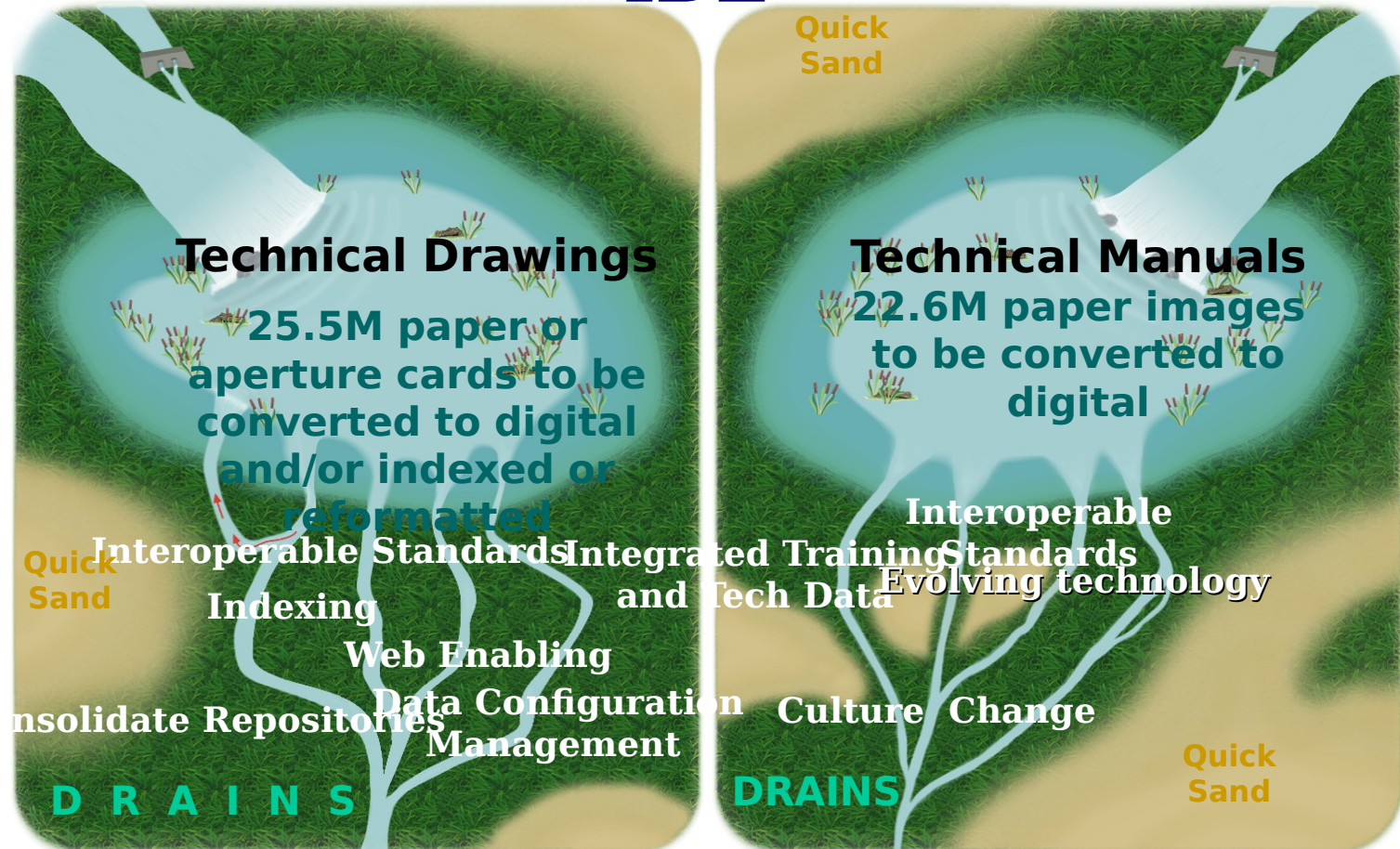


- XML
- Non-Proprietary

Task Force
Whiskey

WEB-ENABLED NAVY

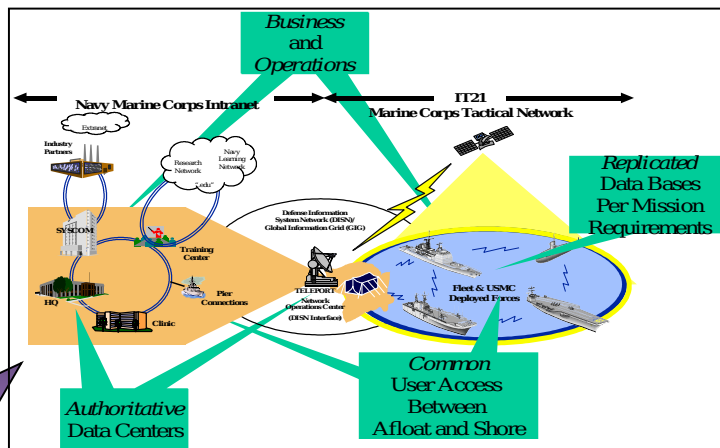
The Challenge *Ensuring Quality Web Content for the IDE*



Leverage Navy Investment in IT-21 and NMCI



One Navy Network



Processes
Systems

RIC

Standards

Task
Force
Whiskey

Digital Data

Swamp

Anticipate

Innovate

Learn



Expectations of RIC

- As you baseline initiatives and Programs this week, see where they fit into logistics framework for Web Enabled Navy
 - Data
 - ➔ - Standards
 - Processes and Systems
- Identify how to optimize processes and systems and provide a POA&M for way ahead



Way Forward

- Reengineer Processes
- Improve infrastructure
- Drain the Swamp and keep it drained
- Apply appropriate Standards for Interoperability
- Implement seamless access to information by user



Backups

pe

Anticipate

Innovate

Lea



Task Force Whiskey

- **Task Force Whiskey chartered by CNO to develop a vision and strategy to exploit Web technology fully across the Navy**
 - **The clear conclusion is that the technologies are mature and the time for transformation is now**
 - **Instead of waiting for a 100% solution in five years, the Navy must target and accept a 80% solution in five months**
- **Vision goes beyond establishing a “portal” to:**
 - **Standardizing the application/data interface**
 - **Providing additional services such as workflow and universal messaging not addressed by any existing Navy development efforts**
- **Duplicative programs and development efforts must be eliminated**
-



TFW Recommendations

1. Three-Tier Architecture

- ***Presentation/Client***

- The presentation/client tier focuses on browser based implementations, and other devices such as Personal Digital Assistants (PDA), or cellular phones.

- ***Application***

- The Application Tier consists of both application logic, often referred to as “components,” and the server that supports these components, referred to as application server.

- ***Data/Content***

- Web content is typically derived from either static HyperText Markup Language (HTML) files stored on the web server, or from dynamic data, as in a database.



Other TFW Recommendations

- ***Information Assurance*** is provided at each of the tiers. At the presentation/client tier, users must authenticate to their workstations and to the portal server.
- ***Interoperability*** is the inter/intra-tier interfaces and is the interface between and within each of the components in the WEN architecture.

2. Standardize on XML

3. Employ non-proprietary code



Challenge

- As we move into the 21st Century, we must deliver information on demand
- We must buy data smartly
- We must transition legacy data to digital – Drain the Swamp
- We must work in a collaborative environment to optimize on diminishing resources
- Everyone is important and necessary to reengineer our processes and systems engineer our environment